USSN 09/700,901

Docket No. 158-P-C1553US

## Amendments to the Claims

A detailed list of all claims under examination is shown below. Please amend claims 1, 4, 7 and 8 as shown in marked form:

- 1. (Currently amended) Two-component water paint system comprising an isocyanate as the first component and an aqueous emulsion of a hydroxy-functional alkyd resin as the second component, wherein the alkyd resin can be obtained from an oleic or fatty acid component, a polyvalent alcohol, a polyether polyol having a molecular weight of 400-to 8,000, a monobasic carboxylic acid and a polycarboxylic acid or the anhydride thereof, and wherein [[the first component contains a sufficient number of isocyanate groups and the second component contains a sufficient number of hydroxyl groups so that a mixture of]] the first component and second component [[has a processing time from 10 minutes to 6 hours at room temperature]] are formulated to provide a paint containing at least a stoichiometric ratio of isocyanate groups to hydroxyl groups with no more than 30% of the hydroxyl groups being pre-reacted with isocyanates.
- 2. (Original) Two-component water paint system according to claim 1, wherein the hydroxy-functional alkyd resin has a hydroxyl content of 1 to 8 wt.-%.
- 3. (Original) Two-component water paint system according to claim 1 or 2, wherein the hydroxy-functional alkyd resin is additionally modified by reaction with isocyanate.
- 4. (Currently amended) Process for the preparation of a [[two-component]] water paint system, comprising the steps of:
  - [[1]] A) providing an isocyanate as a first component, and
  - [[2]] B) preparing an aqueous emulsion of a hydroxy-functional alkyd resin comprising:
    - [[a]] i) reacting an oleic or fatty acid, a polyvalent alcohol, a polyether polyol having a molecular weight of 400 to 8,000, a monobasic carboxylic acid and a polycarboxylic acid or the anhydride thereof to obtain a hydroxyfunctional alkyd resin,
    - [[b]] <u>ii</u>) neutralizing the hydroxy-functional alkyd resin with ammonia or amine, [[and]]

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- [[c]] <u>iii</u>) emulsifying the hydroxy-functional alkyd resin in water to provide a second component. and
- iv) mixing [[wherein the first component contains a sufficient number of isocyanate groups and the second component contains a sufficient number of hydroxyl groups so that a mixture of]] the first component and second component [[has a processing time from 10 minutes to 6 hours at room temperature]] to provide a paint containing at least a stoichiometric ratio of isocyanate groups to hydroxyl groups with no more than 30% of the hydroxyl groups being pre-reacted with isocyanates.
- 5. (Original) Process according to claim 4, wherein the hydroxy-functional alkyd resin has a hydroxyl content of 1 to 8 wt. %.
- 6. (Original) Process according to claim 4, wherein the alkyd resin is additionally reacted with isocyanate.
- 7. (Currently amended) Process for painting a substrate using a paint system prepared according to claim 4, <u>further</u> comprising the [[steps of mixing]] <u>step of applying the mixture of</u> the first and second components [[shortly before painting and applying the resulting mixture]] to the substrate.
- (Currently amended) Process according to claim 7, wherein the [[paint]] <u>mixture</u> is applied in a film having a thickness of at least 120 μm.
- (Original) A painted article comprising a substrate coated with an essentially bubblefree film comprising a cured paint system according to claim 1.
- 10. (Original) A painted article according to claim 9, wherein the film has a thickness of at least 120 μm.

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Please add the following new claims 11 - 20:

11. (New) Two-component water paint system according to claim 1, wherein the first component and second component are formulated to provide a paint whose initial isocyanate amount is greater than or equal to a:

basic isocyanate value = 

42 x 100 x hydroxyl % in the second component

17 x isocyanate % in the first component.

- 12. (New) Two-component water paint system according to claim 1 wherein the first component contains sufficient isocyanate to react with water to form polyureas and to cross-link with the second component.
- 13. (New) Two-component water paint system according to claim 1 wherein the isocyanate comprises a disocyanate, triisocyanate or other polyisocyanate.
- 14. (New) Two-component water paint system according to claim 1 wherein the isocyanate comprises a pre-adduct, isocyanurate, uretdione or allophane based on hexamethylene diisocyanate, isophorone diisocyanate or toluene diisocyanate.
- 15. (New) Two-component water paint system according to claim 1 wherein the isocyanate comprises an oligomeric polyisocyanate.
- 16. (New) Two-component water paint system according to claim 1 wherein the isocyanate comprises hexamethylene diisocyanate or isophorone diisocyanate.
- 17. (New) Process according to claim 4 comprising mixing the first component and second component to provide a paint whose initial isocyanate amount is greater than or equal to a:

basic isocyanate value = 

42 x 100 x hydroxyl % in the second component

17 x isocyanate % in the first component.

18. (New) Process according to claim 4 wherein the first component contains sufficient isocyanate to react with water to form polyureas and to cross-link with the second component.

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- 19. (New) Process according to claim 4 wherein the isocyanate comprises an oligomeric polyisocyanate.
- 20. (New) Process according to claim 4 wherein the isocyanate comprises hexamethylene diisocyanate or isophorone diisocyanate.